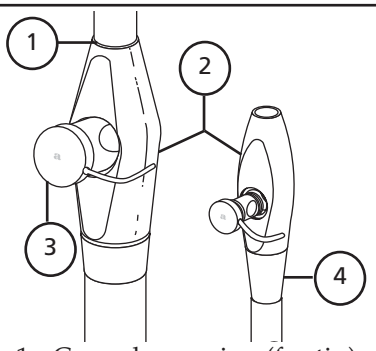
A-dec 500 Assistant's Instrumentation
Quick Start Guide

About the Assistant's Instrumentation

A-dec's standard assistant's package includes syringe, HVE, and saliva ejector. Optional instruments may include an additional HVE. The assistant's vacuum instruments are fully autoclavable and have quick disconnect attachments that remove easily for cleaning.

Left-Right Conversion of the Autoclavable HVE and Saliva Ejector

The HVE and saliva ejector can be easily converted for opposite-hand operation. To convert the HVE or saliva ejector for opposite-hand use, push the control valve out of the HVE body, by pressing on the small diameter side. Rotate the control valve 180°, then press it back into place.



1 - Cannula opening (for tip);
2 - Valve body;
3 - Control valve; 4 - Tailpiece

Autoclavable HVE and Saliva Ejector Asepsis

The table shows the steps for HVE and saliva ejector asepsis.

Step	Action
1	Remove the tip from the valve body. **NOTE:** Turn off the central vacuum before disconnecting the HVE or saliva ejector.
2	To remove the HVE or saliva ejector body, separate the body from the tubing by pulling it apart at the tailpiece, and removing the control valve.
4	Clean and rinse the valve body and control valve using a mild detergent, water, and the brushes that have been provide. Allow the instruments to dry completely.
5	Heat sterilize the valve body and control valve for six minutes using either of these methods: steam autoclave, or chemical vapor (275ºF [135ºC] maximum temperature).
6	Apply a light coat of A-dec silicone lubricant on the O-ring seals of the control valve. **CAUTION:** Use only silicone lubricant when lubricating instrumentation O-rings. Petroleum products will cause permanent damage to the O-rings.
7	Reinstall the control valve in the valve body, and the tubing tailpiece.
8	Operate the HVE and the saliva ejector valves several times to verify that they rotate smoothly.

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Sterilizing the HVE Tip

It is recommended that the stainless steel tips used on the HVE be heat sterilized between patients using either of the following methods: steam autoclave, or chemical vapor (275ºF [135ºC] maximum temperature; four minutes at temperature). If you are using disposable HVE tips, be sure to replace them with new tips between patients.

The table shows the steps for sterilizing the HVE tip.

Step	Action
1	Remove the HVE tip from the HVE valve body.
2	Clean and rinse the HVE tip using a mild detergent and water, then allow the tip to completely dry.
3	Sterilize the HVE tip using one of the recommended methods.

NOTE: **A-dec HVE Cannula Opening:**
Standard A-dec HVE – 0.435" ± 0.006" (11.05 ± 0.15 mm).
A-dec 15 mm HVE – .592" (14.8 mm).
If not using A-dec HVE tips, select a tip that is compatible with your HVE cannula opening.

A-dec Saliva Ejector Cannula Opening:
A-dec Saliva Ejector – 0.265 ± 0.006" (6.73 ± 0.15 mm)
Select a tip that is compatible with your saliva ejector cannula opening.

Solids Collector

The solids collector aids in preventing solids from entering the central vacuum system. At least twice a week, discard and replace the solids collector screen. This is necessary to ensure proper suction from the central vacuum, and to maintain proper treatment room asepsis.

The table shows the steps for sterilizing the HVE tip.

Step	Action
1	Turn off vacuum, if vacuum is on, open the HVE control valve to facilitate removal of the solids collector cap.
2	Remove the screen from the collector. The solids collector screen is disposable. Discard following your local regulations. **CAUTION:** Do not empty the screen into your cuspidor. Doing so could plug the drain.
3	Insert a new screen in the solids collector and install the cap.

Limit Switch

If activated, the support link limit switch will interrupt the base down motion and reverse the chair to prevent damage.

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A-dec Assistant's Instrumentation

Maintenance Record

Date of Service	Model/Description of Service	Technician's Initials